Performance Data Sheet

AWJ5528EXN

General Information

Model	AWJ5528EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	7020	6440					
	Watts	1310	1290					
	Amps	7.38	7.26					
	Lb/h	97.9	90.6					
-10	Btu/h	8550	7800	7050				
	Watts	1390	1390	1380				
	Amps	7.63	7.57	7.50				
	Lb/h	115	106	97.8				
-5	Btu/h	10300	9400	8490	7570			
	Watts	1460	1480	1490	1500			
	Amps	7.87	7.87	7.87	7.86			
	Lb/h	135	125	116	106			
0	Btu/h	12300	11200	10200	9080	8000		
	Watts	1540	1560	1590	1620	1640		
	Amps	8.09	8.16	8.23	8.29	8.34		
	Lb/h	158	148	137	127	116		
5	Btu/h	14500	13300	12100	10800	9580		
	Watts	1610	1650	1690	1730	1770		
	Amps	8.31	8.45	8.58	8.71	8.83		
	Lb/h	184	173	162	151	139		
10	Btu/h	16900	15600	14200	12800	11400	9980	8560
	Watts	1670	1730	1790	1840	1900	1950	2000
	Amps	8.53	8.73	8.92	9.12	9.30	9.48	9.65
	Lb/h	213	201	189	177	165	152	139
15	Btu/h	19600	18100	16500	15000	13400	11900	10300
	Watts	1730	1810	1880	1950	2020	2090	2150
	Amps	8.73	9.00	9.26	9.52	9.77	10.0	10.3
	Lb/h	244	232	220	207	194	181	167
20	Btu/h	22400	20800	19100	17400	15700	14000	12200
	Watts	1790	1880	1970	2050	2140	2220	2300
	Amps	8.92	9.25	9.58	9.91	10.2	10.5	10.8
	Lb/h	278	265	252	239	226	212	197

25	Btu/h	25500	23700	21800	20000	18100	16300	14400
	Watts	1840	1950	2050	2150	2250	2350	2450
	Amps	9.10	9.50	9.90	10.3	10.7	11.1	11.4
	Lb/h	314	301	288	274	260	246	231
30	Btu/h	28700	26700	24800	22800	20800	18800	16800
	Watts	1890	2010	2130	2250	2360	2480	2590
	Amps	9.27	9.74	10.2	10.7	11.1	11.6	12.0
	Lb/h	352	338	325	311	297	282	266
35	Btu/h	32100	30000	27900	25800	23600	21500	19300
	Watts	1940	2070	2210	2340	2470	2600	2730
	Amps	9.43	9.96	10.5	11.0	11.5	12.1	12.6
	Lb/h	392	378	364	350	335	320	305
40	Btu/h	35700	33500	31200	29000	26700	24400	22100
	Watts	1980	2130	2280	2430	2570	2720	2860
	Amps	9.57	10.2	10.8	11.4	12.0	12.5	13.1
	Lb/h	433	420	406	391	376	361	345
45	Btu/h	39500	37100	34700	32300	29900	27500	25100
	Watts	2020	2180	2350	2510	2670	2830	2990
	Amps	9.70	10.4	11.0	11.7	12.4	13.0	13.6
	Lb/h	476	463	449	434	419	404	388
50	Btu/h	43500	40900	38400	35900	33300	30800	28200
	Watts	2050	2230	2410	2590	2760	2940	3110
	Amps	9.82	10.6	11.3	12.0	12.7	13.5	14.2
	Lb/h	521	507	493	479	464	448	432
55	Btu/h	47600	44900	42300	39600	36900	34200	31500
	Watts	2080	2270	2470	2660	2850	3040	3230
	Amps	9.93	10.7	11.5	12.3	13.1	13.9	14.7
	Lb/h	567	553	539	525	510	494	478

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.081039E+04	1.289623E+03	7.479246E+00	2.352350E+02
C2	6.685070E+02	-9.630721E+00	-5.995699E-02	5.976831E+00
C3	-1.065115E+02	2.998284E+00	7.399706E-03	-9.819755E-01
C4	3.968949E+00	-7.179902E-02	-1.828394E-04	4.520210E-02
C5	-3.018481E+00	2.949964E-01	1.301282E-03	-1.135961E-02
C6	1.043115E-02	4.039800E-03	1.464251E-05	6.808729E-04
C7	-8.234146E-03	-2.232994E-04	-7.842737E-07	-2.296606E-04
C8	6.056344E-03	6.870917E-05	1.809106E-07	1.659182E-04
C9	-9.405768E-04	2.703397E-05	1.239619E-07	-2.378310E-05
C10	-1.050039E-04	-3.774481E-05	-1.380440E-07	-6.429650E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature